

What is claimed is:

1. A multi-layered pharmaceutical dosage form comprising:
 - a. at least one proton pump inhibitor layer comprising a proton pump inhibitor, an alkaline agent, and an additional pharmaceutical excipient wherein the proton pump inhibitor layer is free of enteric coating; and
 - b. at least one antacid layer comprising an aluminum, magnesium or calcium antacid salt and a pharmaceutically acceptable excipient, wherein the proton pump inhibitor layer and the antacid layer are distinct from each other.
2. The pharmaceutical dosage form as defined in claim 1 that comprises at least two antacid layers.
3. The pharmaceutical dosage form as defined in claim 1 wherein the dosage form is a compressed tablet.
4. The pharmaceutical dosage form as defined in claim 1 wherein the dosage form is a capsule.
5. The pharmaceutical dosage form as defined in claim 3 wherein the tablet is chewable.
6. The pharmaceutical dosage form as defined in claim 3 wherein the tablet is rapidly disintegrating.
7. The pharmaceutical dosage form as defined in claim 4 wherein the capsule is rapidly disintegrating.
8. The pharmaceutical dosage form as defined in claim 1 wherein the alkaline agent is an alkaline amino compound.
9. The pharmaceutical dosage form as defined in claim 8 wherein the alkaline agent is arginine or lysine.
10. The pharmaceutical dosage form as defined in claim 1 wherein the proton pump inhibitor is omeprazole, lansoprazole, pantoprazole, pariprazole, leminoprazole, salts, isomers, or derivatives thereof.
11. The pharmaceutical dosage form as defined in claim 1 wherein the antacid salts are aluminum or calcium salts of hydroxides, carbonates, sulfates, bicarbonates, or silicates.
12. The pharmaceutical dosage form as defined in claim 11 wherein the antacid salts are aluminum or calcium salts of hydroxides, carbonates, sulfates, or silicates.

13. The pharmaceutical dosage form as defined in claim 1 wherein the proton pump inhibitor is coated with a film-forming polymer or congealable solid material.
- 5 14. The pharmaceutical dosage form as defined in claim 13 wherein the film-forming polymer comprises a water soluble polymer, a water insoluble polymer or a combination of a water insoluble polymer and a water soluble polymer.
- 15 15. The pharmaceutical dosage form as defined in claim 13 wherein the congealable solid material is a wax.
- 10 16. The pharmaceutical dosage form as defined in claim 13 wherein the congealable solid material is glyceryl monostearate or castor oil.
17. The pharmaceutical dosage form as defined in claim 13 wherein the proton pump inhibitor is coated with a combination comprising a film-forming polymer and a congealable solid material.
- 15 18. The pharmaceutical dosage form as defined in claim 1 wherein the proton pump inhibitor layer further comprises: (a) granules that comprise a proton pump inhibitor, an alkaline agent and a binder and (b) a taste masking agent.
19. The pharmaceutical dosage form as defined in claim 1 wherein the antacid layer further comprises granules that comprise an antacid and a binder.
- 20 20. The pharmaceutical dosage form as defined in claim 19 wherein the antacid layer further comprises a taste masking agent.
21. The pharmaceutical dosage form as defined in claim 19 wherein the granules are prepared by a dry granulation technique.
22. The pharmaceutical dosage form as defined in claim 22 wherein the granules are prepared by roller compaction.
- 25 23. The pharmaceutical dosage form as defined in claim 19 wherein the granules are prepared by a wet granulation technique.
24. A method for preparing a multi-layered pharmaceutical tablet dosage formulation comprising the steps of:
- 30 (a) preparing a proton pump inhibitor layering mixture comprising a proton pump inhibitor, an alkaline agent and a taste masking agent;
- (b) preparing an antacid layering mixture comprising an aluminum, magnesium or calcium antacid salt, at least one pharmaceutically acceptable excipient and a taste masking agent;

- (c) feeding the proton pump inhibitor layering mixture into a tablet die to create at least one proton pump inhibitor layer;
- (d) feeding the antacid layering mixture into a tablet die to create at least one antacid layer;
- 5 (e) combining the proton pump inhibitor layer and antacid layer to form a single unitary tablet with separate and distinct layers that contain at least one proton pump inhibitor layer and at least one antacid layer and wherein the tablet is free of enteric coatings.
25. A method for preparing a multi-layered pharmaceutical capsule dosage formulation comprising the steps of:
- 10 (f) preparing a proton pump inhibitor layering mixture comprising a proton pump inhibitor, an alkaline agent and a taste masking agent;
- (g) preparing an antacid layering mixture comprising an aluminum, magnesium or calcium antacid salt, at least one pharmaceutically acceptable excipient and a taste masking agent;
- 15 (h) feeding the proton pump inhibitor layering mixture into a capsule shell to create at least one proton pump inhibitor layer;
- (i) feeding the antacid layering mixture into a capsule shell to create at least one antacid layer to form a single unitary capsule with separate and distinct layers that contain a proton pump inhibitor and an antacid wherein the capsule is free of enteric coatings.
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26. A method for providing concurrent therapy of gastrointestinal disorders comprising the steps of:
- a. preparing a dosage form as defined in claim 1; and
- 25 b. administering the dosage form to a patient in need of therapy for gastrointestinal disorders.
27. The method as defined in claim 26 wherein the dosage form is chewable.
28. The method as defined in claim 26 wherein the dosage form is rapidly disintegrating.

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